

4. Does the application propose to correct previous site coordinates?

☐ Yes ☒ No

If Yes, list old coordinates.

Latitude	0	Longitude	0
----------	---	-----------	---

5. Has the FAA been notified of the proposed construction?

☒ Yes ☐ No

If Yes, give date and office where notice was filed and attach as an Exhibit a copy of FAA determination, if available.

Exhibit No.  
N/ADate 9/24/91 Office where filed SEATTLE

6. List all landing areas within 8 km of antenna site. Specify distance and bearing from structure to nearest point of the nearest runway.

	Landing Area	Distance (km)	Bearing (degrees True)
(a)	<u>KALISPELL CITY</u>	<u>3.5</u>	<u>EAST</u>
(b)			

7. (a) Elevation: (to the nearest meter)

(1) of site above mean sea level: 1135 meters(2) of the top of supporting structure above ground (including antenna, all other appurtenances, and lighting, if any); and 40 meters(3) of the top of supporting structure above mean sea level [(aX1) + (aX2)] 1175 meters

(b) Height of radiation center: (to the nearest meter) H - Horizontal; V - Vertical

(1) above ground 30 meters (H)30 meters (V)(2) above mean sea level [(aX1) + (bX1)] 1165 meters (H)1165 meters (V)(3) above average terrain 123 meters (H)123 meters (V)

8. Attach as an Exhibit sketch(es) of the supporting structure, labelling all elevations required in Question 7 above, except item 7(b)(3). If mounted on an AM directional-array element, specify heights and orientations of all array towers, as well as location of FM radiator.

Exhibit No.  
EE

9. Effective Radiated Power:

(a) ERP in the horizontal plane

3.9 kw (H-) 3.9 kw (V-)

(b) Is beam tilt proposed?

☐ Yes ☒ No

If Yes, specify maximum ERP in the plane of the tilted beam, and attach as an Exhibit a vertical elevational plot of radiated field.

Exhibit No.  
N/A                     kw (H-)                      kw (V-)

-Polarization

10. Is a directional antenna proposed?

☐ Yes ☒ No

If Yes, attach as an Exhibit a statement with all data specified in 47 C.F.R. Section 73.316, including plot(s) and tabulations of the relative field.

Exhibit No.  
N/A

11. Will the proposed facility satisfy the requirements of 47 C.F.R. Sections 73.315(a) and (b)?

☒ Yes ☐ No

If No, attach as an Exhibit a request for waiver and justification therefor, including amounts and percentages of population and area that will not receive 3.16 mV/m service.

Exhibit No.  
N/A

12. Will the main studio be within the protected 3.16 mV/m field strength contour of this proposal?

☒ Yes ☐ No

If No, attach as an Exhibit justification pursuant to 47 C.F.R. Section 73.1125.

Exhibit No.  
N/A

13. (a) Does the proposed facility satisfy the requirements of 47 C.F.R. Section 73.207?

☒ Yes ☐ No

(b) If the answer to (a) is No, does 47 C.F.R. Section 73.213 apply?

☐ Yes ☐ No

(c) If the answer to (b) is Yes, attach as an Exhibit a justification, including a summary of previous waivers.

Exhibit No.  
N/A

(d) If the answer to (a) is No and the answer to (b) is No, attach as an Exhibit a statement describing the short spacing(s) and how it or they arose.

Exhibit No.  
N/A

(e) If authorization pursuant to 47 C.F.R. Section 73.215 is requested, attach as an Exhibit a complete engineering study to establish the lack of prohibited overlap of contours involving affected stations. The engineering study must include the following:

Exhibit No.  
N/A

- (1) Protected and interfering contours, in all directions (360°), for the proposed operation.
- (2) Protected and interfering contours, over pertinent arcs, of all short-spaced assignments, applications and allotments, including a plot showing each transmitter location, with identifying call letters or file numbers, and indication of whether facility is operating or proposed. For vacant allotments, use the reference coordinates as the transmitter location.
- (3) When necessary to show more detail, an additional allocation study utilizing a map with a larger scale to clearly show prohibited overlap will not occur.
- (4) A scale of kilometers and properly labeled longitude and latitude lines, shown across the entire exhibit(s). Sufficient lines should be shown so that the location of the sites may be verified.
- (5) The official title(s) of the map(s) used in the exhibit(s).

14. Are there: (a) within 60 meters of the proposed antenna, any proposed or authorized FM or TV transmitters, or any nonbroadcast *(except citizens band or amateur)* radio stations; or (b) within the blanketing contour, any established commercial or government receiving stations, cable head-end facilities, or populated areas; or (c) within ten (10) kilometers of the proposed antenna, any proposed or authorized FM or TV transmitters which may produce receiver-induced intermodulation interference?

☒ Yes ☐ No

If Yes, attach as an Exhibit a description of any expected, undesired effects of operations and remedial steps to be pursued if necessary, and a statement accepting full responsibility for the elimination of any objectionable interference (including that caused by receiver-induced or other types of modulation) to facilities in existence or authorized or to radio receivers in use prior to grant of this application. (See 47 C.F.R. Sections 73.315(b), 73.316(e) and 73.318.)

Exhibit No.  
EE

15. Attach as an Exhibit a 75 minute series U.S. Geological Survey topographic quadrangle map that shows clearly, legibly, and accurately, the location of the proposed transmitting antenna. This map must comply with the requirements set forth in Instruction V. The map must further clearly and legibly display the original printed contour lines and data as well as latitude and longitude markings, and must bear a scale of distance in kilometers.

Exhibit No. EE
-------------------

16. Attach as an Exhibit *(name the source)* a map which shows clearly, legibly, and accurately, and with the original printed latitude and longitude markings and a scale of distance in kilometers:

Exhibit No. EE
-------------------

(a) the proposed transmitter location, and the radials along which profile graphs have been prepared;

(b) the 3.16 mV/m and 1 mV/m predicted contours; and

(c) the legal boundaries of the principal community to be served.

17. Specify area in square kilometers (1 sq. mi. = 259 sq. km.) and population (latest census) within the predicted 1 mV/m contour.

Area 3049 sq. km. Population 43,641

18. For an application involving an auxiliary facility only, attach as an Exhibit a map *(Sectional Aeronautical Chart or equivalent)* that shows clearly, legibly, and accurately, and with latitude and longitude markings and a scale of distance in kilometers:

Exhibit No. N/A
--------------------

(a) the proposed auxiliary 1 mV/m contour; and

(b) the 1 mV/m contour of the licensed main facility for which the applied-for facility will be auxiliary. Also specify the file number of the license.

19. Terrain and coverage data *(to be calculated in accordance with 47 C.F.R. Section 73.313)*

Source of terrain data: *(check only one box below)*

☒ Linearly Interpolated 30-second database ☐ 75 minute topographic map

(Source: NGSDC-30 Sec.)

☐ Other *(briefly summarize)*

Radial bearing (degrees True)	Height of radiation center above average elevation of radial from 3 to 16 km (meters)	Predicted Distances	
		To the 3.16 mV/m contour (kilometers)	To the 1 mV/m contour (kilometers)
*	256	23.4	39.0
0	237	22.5	37.8
45	256	23.4	39.0
90	280	24.4	40.5
135	263	23.7	39.5
180	-264	8.0	14.2
225	102	14.7	26.1
270	7	8.0	14.2
315	105	14.9	26.5

\*Radial through principal community, if not one of the major radials. This radial should NOT be included in the calculation of HAAT.

20. Environmental Statement (See 47 C.F.R. Section 1.1301 et seq.)

Would a Commission grant of this application come within Section 1.1307 of the FCC Rules, such that it may have a significant environmental impact? ☐ Yes ☒ No


If you answer Yes, submit as an Exhibit an Environmental Assessment required by Section 1.1311.

Exhibit No:  
N/A

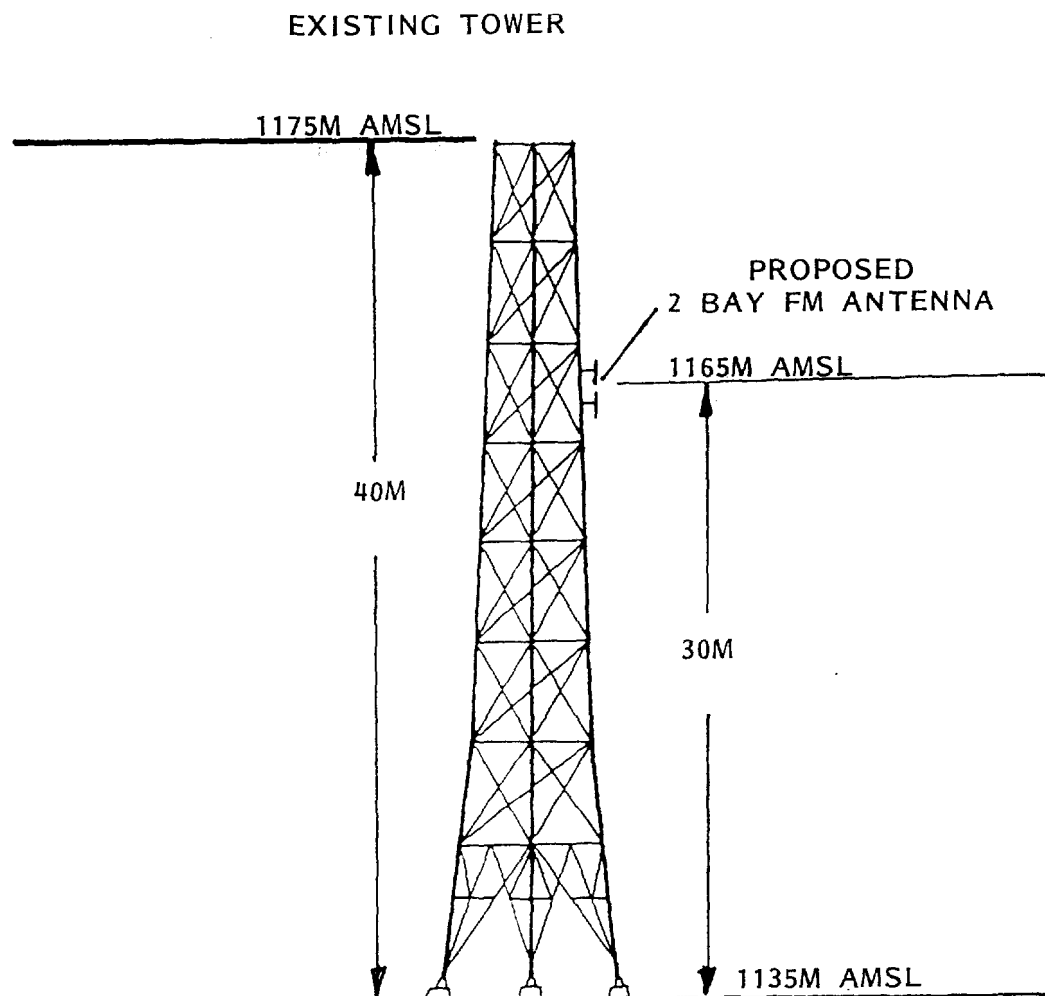
If No, explain briefly why not. SEE FIGURE 4

CERTIFICATION

I certify that I have prepared this Section of this application on behalf of the applicant, and that after such preparation, I have examined the foregoing and found it to be accurate and true to the best of my knowledge and belief.

Name (Typed or Printed)	Relationship to Applicant (e.g., Consulting Engineer)
PETER V. GURECKIS	CONSULTING ENGINEER
Signature	Address (Include ZIP Code)
	10410 WINDSOR VIEW DRIVE POTOMAC, MARYLAND 20854
Date	Telephone No. (Include Area Code)
SEPTEMBER 24, 1991	( 301 ) 299-5383

**PAINING AND LIGHTING: IN ACCORDANCE  
WITH C.A.A. SPECIFICATIONS.**



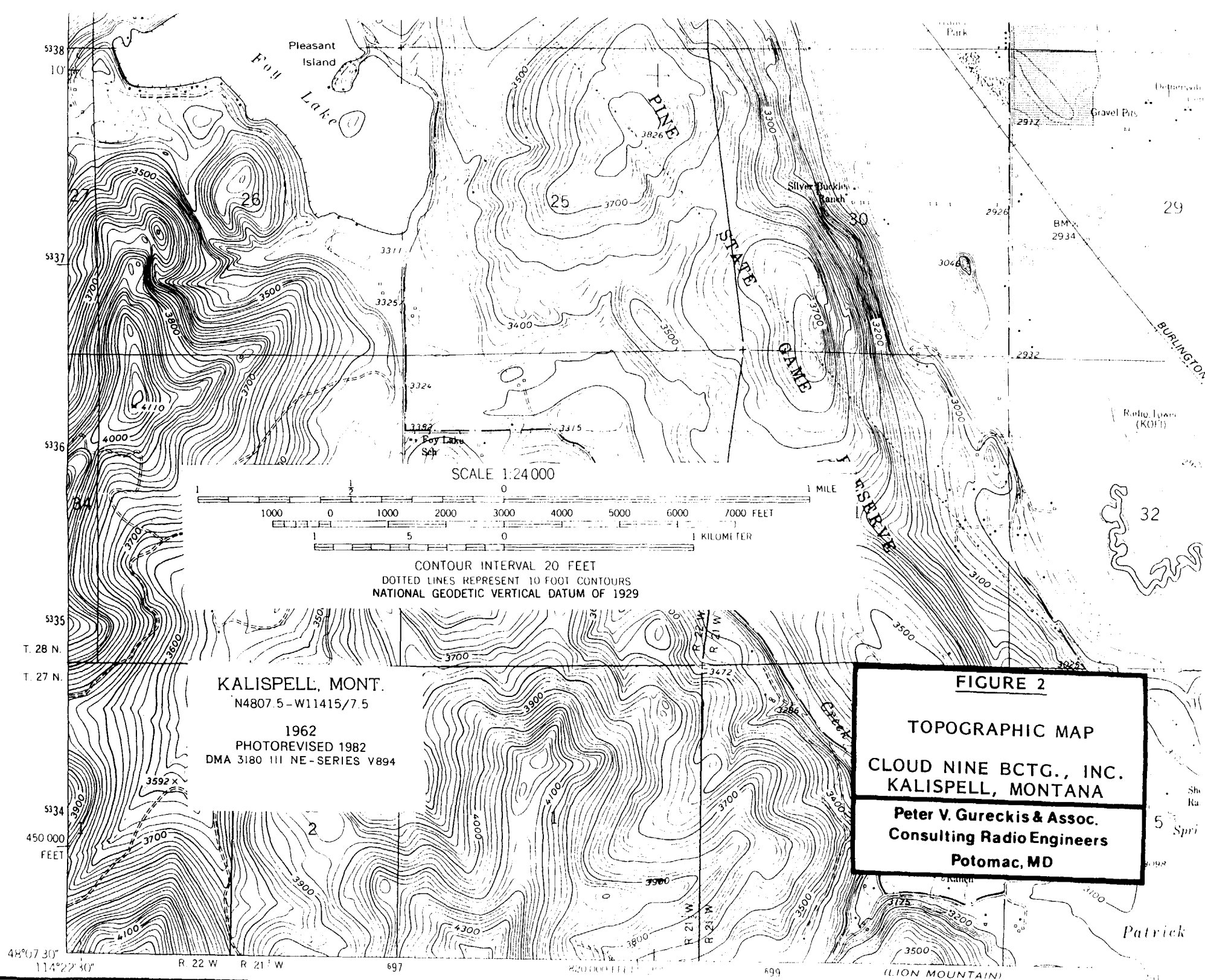
NOT TO SCALE

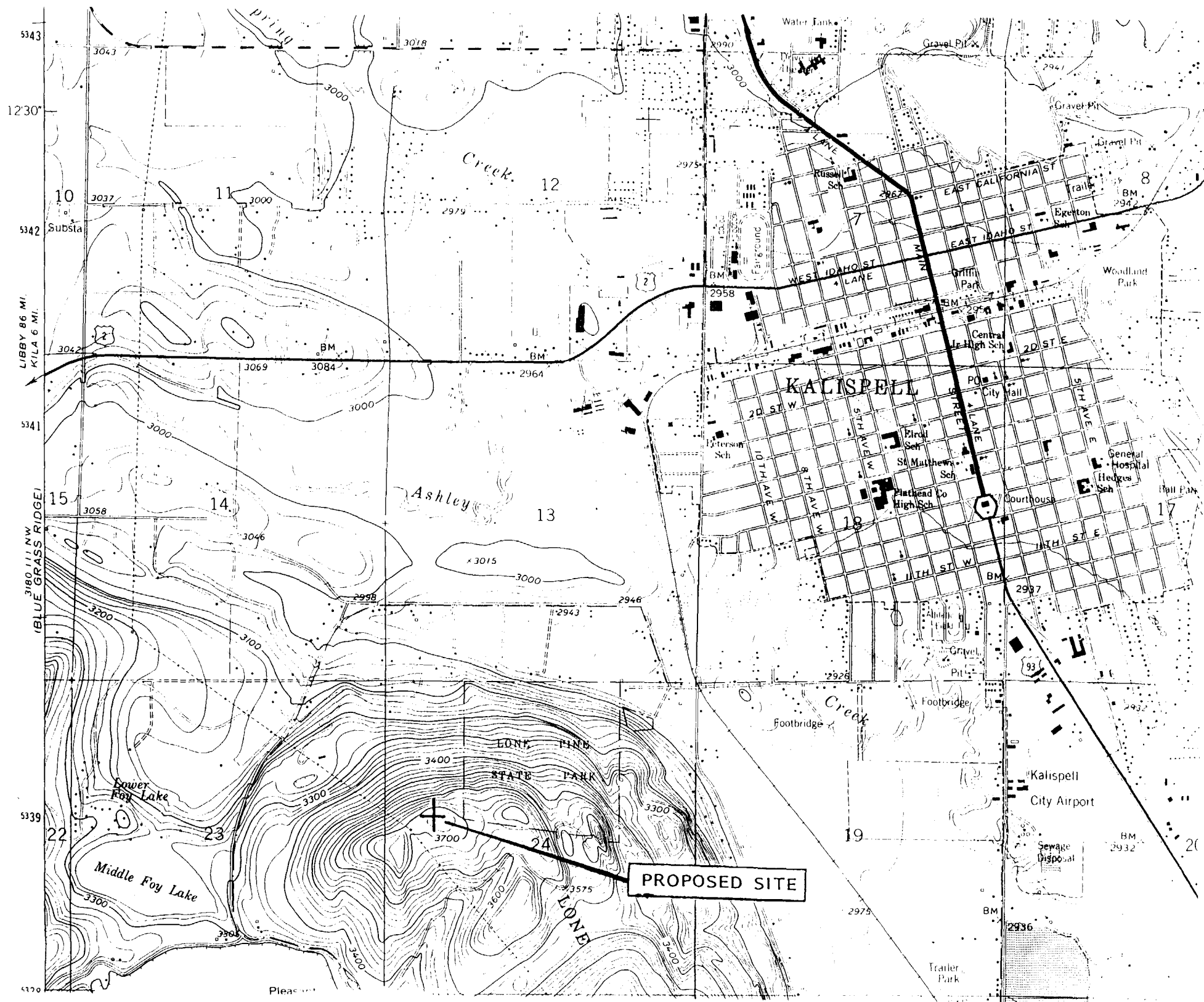
**FIGURE 1**

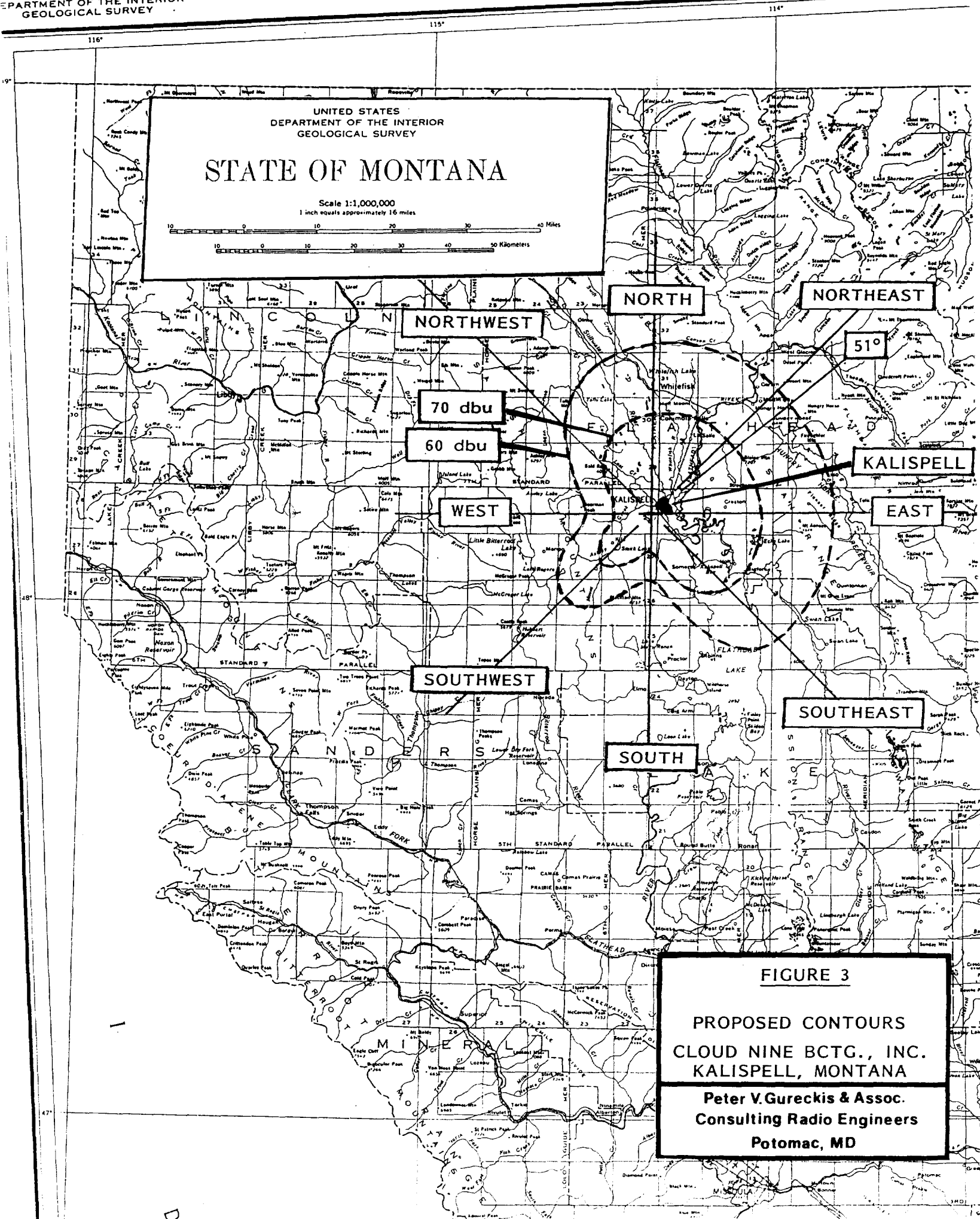
**TOWER SKETCH**

**CLOUD NINE BCTG., INC.  
KALISPELL, MONTANA**

**Peter V. Gureckis & Assoc.  
Consulting Radio Engineers  
Potomac, MD**









# PETER V. GURECKIS & ASSOCIATES

## FIGURE 4

### CLOUD NINE BROADCASTING, INC. KALISPELL, MONTANA

#### A. ENVIRONMENTAL STATEMENT

A grant of this application does not come within Section 1.1307(a) of the F.C.C. Rules for the following reasons:

- (1) Facilities are not located in an officially designated wilderness area.
- (2) Facilities are not located in an officially designated wildlife preserve.
- (3) Facilities will not affect districts, sites, buildings, structures or objects, significant in American History, architecture, archeology or culture, that are listed in the National Register of Historic Places or are eligible for listing.
- (4) Facilities will not involve significant change in surface features (e.g., wetland fill, deforestation or water diversion).
- (5) Facilities are not located in a floodplain.
- (6) Antenna towers and/or supporting structures are not to be equipped with high intensity white lights.

#### B. RF STATEMENT

The proposed operation will comply with the safety requirements of OSHA in that the power density at the base of the tower will be below the maximum permissible exposure level for humans of 100 milliwatts per centimeter squared. The critical distance is 22 meters from the base of the FM antenna located approximately 34 meters on the tower. Thus, no hazard of radiation exist at ground level. Warning signs will be posted at the base of the tower.

Further, areas closer to the proposed antenna will be restricted by the applicant and the 6 minute time average criteria will be in force for

**PETER V. GURECKIS & ASSOCIATES**

**FIGURE 4**  
**CONTINUED-PAGE 2**

the technical personnel in the event that access to areas in the immediate vicinity of the antenna is required. For longer periods of time, power will be completely shut down to the antenna.